

**ABSTRACT**

A method sets up a fax connection between a calling first fax machine controlled by a first communication facility and a called second fax machine controlled by a second communication facility over a packet-oriented network linking the communication facilities. With this method, sent data of the first or second fax machine is terminated at a first data gateway belonging to the first communication facility or at a second data gateway belonging to second communication facility. Following setup of a useful data connection between the first and second data gateway, a transmission-controlling connection is set up between the first fax machine and the first data gateway. Identification information of the sending first fax machine is then transmitted from the first data gateway to the second data gateway. A transmission-controlling connection is then set up between the second fax machine and the second data gateway. The transmission-controlling connection between the second fax machine and the second data gateway is set up before the identification information is transmitted.